

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 08/06/2015 12:09 PM
Cytometer Baseline: 04/20/2015 11:37 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 51739, **Expiration Date:** 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125383	0	3.15	125144	3.07
Blue	F	SSC	125000	123941	-1	3.43	124858	3.15
Blue	E	FITC	17998	17539	-3	2.67	989	9.22
Blue	D	PE	23234	22985	-2	2.20	1037	8.29
Blue	B	PerCP-Cy5-5	69571	69690	0	2.95	1830	13.23
Blue	A	PE-Cy7	77815	76407	-2	4.01	996	25.00
Red	C	APC	65936	65322	-1	2.51	3690	8.20
Red	A	APC-Cy7	100669	99925	-1	2.52	1971	8.01
Violet	B	V450	10405	9921	-5	4.04	617	8.73
Violet	A	V500	47250	46138	-3	3.77	2606	6.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19168	13.93	610	31	N/A	N/A	Pass
Blue	F	SSC	61834	2.16	519	30	N/A	N/A	Pass
Blue	E	FITC	107	35.84	534	19	0.0237	118	Pass
Blue	D	PE	214	24.57	527	20	0.1643	125	Pass
Blue	B	PerCP-Cy5-5	222	40.22	614	24	0.0112	25	Pass
Blue	A	PE-Cy7	73	102.83	670	24	0.0149	17	Pass
Red	C	APC	345	26.70	587	9	0.0206	16	Pass
Red	A	APC-Cy7	124	38.39	567	8	0.0047	766	Pass
Violet	B	V450	65	45.12	471	21	0.0415	1972	Pass
Violet	A	V500	168	23.77	512	24	0.0132	414	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.33	-31.18	0.71
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.18
Red	15.15	13.07 - 19.61	N/A	N/A	31.76	32.03	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 12264

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments